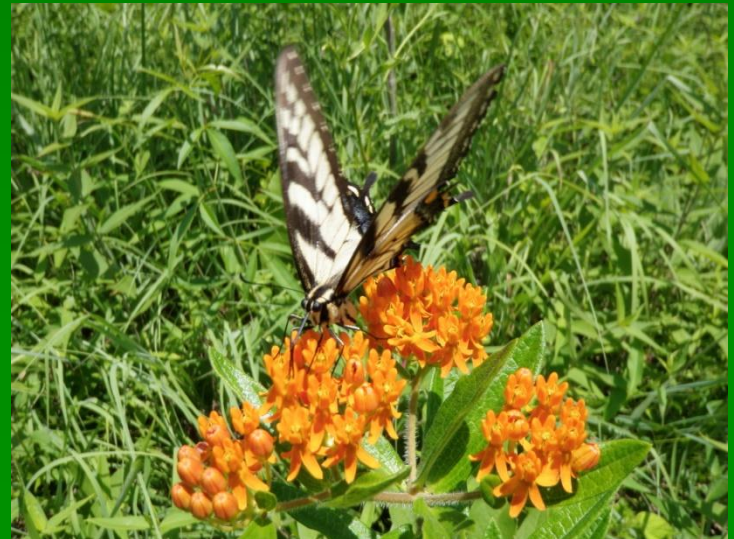


Hoosier National Forest

Native Plant Material Program



Forest Programs and Projects Using Native Plant Materials

- Wildlife/Botany - Native seeding and plantings:
 - Early Successional Habitat Areas (wildlife openings)
 - Vernal wetlands and larger bottomland wetland projects
 - Native Seed and Pollinator Resource Areas (newly created & continued enhancement/expansion) - Haskins, Mifflin, Stillion sites
 - Tell City RD Pollinator Garden, Hoosier Native Seed Nursery
- Timber - Skid roads, log landings, and closed roads
- Engineering/transportation - New roads - along roadsides/ditches (where necessary)
- Recreation - New trails, dispersed campsites

Forest Programs and Projects Using Native Plant Materials

- Soil and Water
 - Trash dump clean-up sites
 - Levee and pond dam maintenance, access road maintenance
 - Culver replacement/streambank stabilization
 - Buildings/fence removal sites
 - Mine reclamation
- Special Uses - New underground utility lines/pipelines
- Fire - Firelines

First Effort – Hoosier Native Seed Nursery

- Established in 1995
- Initially 15 plant beds created
- Indiana Department of Natural Resources tilled the site
- Volunteers from Indiana University and Indiana Native Plant Society collected seed from off the Forest
- Fifteen different native grass and wildflower species collected
- Seedlings grown at two local high schools, one vocational school, and three area universities
- Seedlings planted during Take Pride of America day by Nature Conservancy, Indiana Native Plant and Wildflower Society volunteers



Hoosier Native Seed Nursery



- Seed collection



Hoosier Native Seed Nursery

- Take Pride in America Day
- Volunteer participation every event for 15 years
- Weed Removal in the Blazingstar seed beds



Tell City Ranger District Native Plant Pollinator Garden

- Getting started 2008 –
preparing the garden and first
plants put in the garden



Tell City Ranger District Native Plant Pollinator Garden

- Created in 2008 and later expanded in 2009



Haskins Native Plant Production Nursery and Restoration

- NFN3 Native Plant Funding Project established in 2007
- Partnership with Quail Unlimited – seeded 100 acres with no-till drill in early summer 2007
- Six grasses and eighteen forbs used in seed mixtures
- Forest personnel mowed area in late 2007 and July 2008
- Created two vernal wetlands in 2008
- Indiana Dept. of Natural Resources seeded 100 acres with no-till drill in Fall 2008 and inter-seeding in 2009 on 7 acres
- Stewardship services project mowed area in 2009 and 2010
- Prescribed burning conducted in April 2010

Haskins Native Plant Production Nursery and Restoration

- Fall 2008 - after first seeding



- Vernal wetland – Fall 2008

Haskins Native Plant Production Nursery and Restoration



- Soil Scientist Zach Rigg inspecting the no-till drill



- Vernal wetland - summer 2009



- Summer 2009 - after seeding and mowing

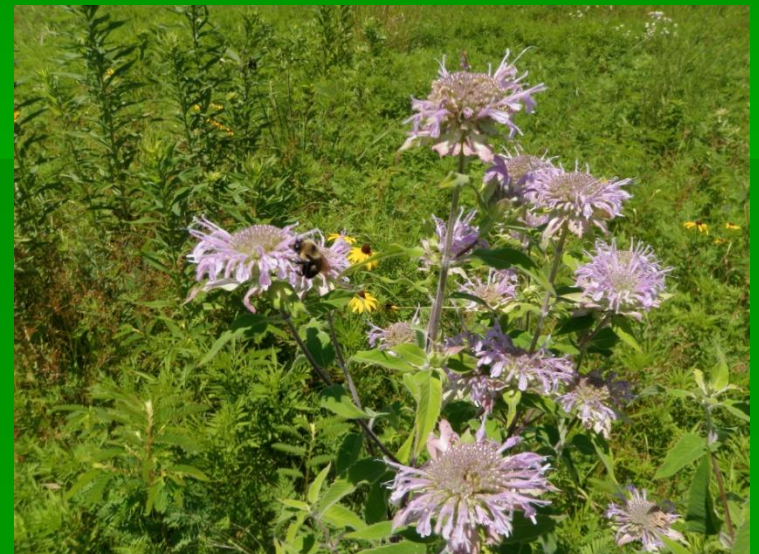
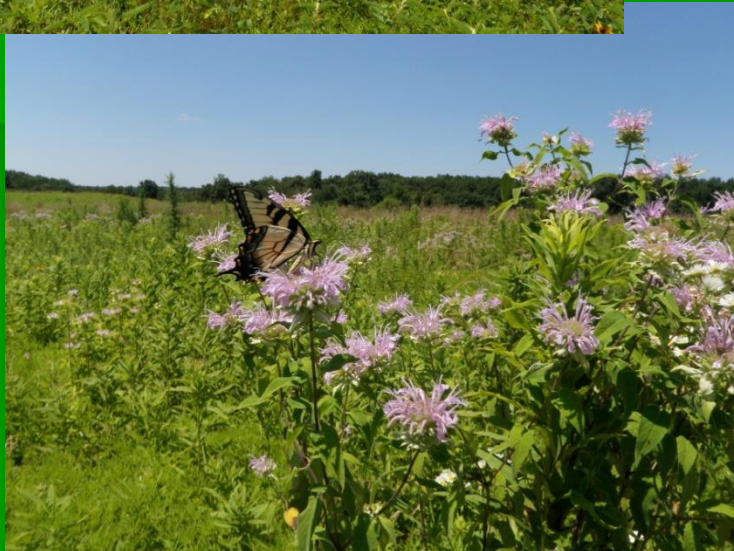
Haskins Native Plant Production Nursery and Restoration

- Prescribed burning done in April 2010



Haskins Native Plant Production Nursery and Restoration

- Mid-summer 2010



Mifflin Restoration Native Seed Production and Pollinator Resource Area

- Old Pastures – Prior to work – 2008 and 2009



Mifflin Restoration Native Seed Production and Pollinator Resource Area

- Site preparation - 2009
 - Tilling, vernal pool creation, and herbicide application



Mifflin Restoration Native Seed Production and Pollinator Resource Area

- Early to mid-summer 2009
 - Vernal wetlands – STEP student and volunteer planting native species container stock



Stillion Tract Native Seed Production and Pollinator Resource Area

- Before and After – 2010
Herbicide Application



Other Wildlife Openings Using Native Plant Materials

- Harris Tract – Created Covey Headquarters with native shrub plantings – IDNR, National Wild Turkey Federation volunteers
- Native species inter-seeding of seven grasses and five native forbs with no-till drill on 10 acres
- Warm season grasses seed collection



Hoosier National Forest

Native Plant Material Program

- Native Plant Materials Availability –
 - Forest NPM seed is available for collection from about 140 acres on the Haskins, Mifflin, Stillion project areas
 - Also collect native seed in fields dominated by warm season grasses and from the Hoosier Native Seed Nursery
- Local sources used in Forest project areas with NPM:
 - Roundstone Native Seed – grasses and forbs seed mixture
 - JFNew – container stock, plugs, and shrubs, (also sell trees and seed mixtures)
 - Spence Restoration Nursery - plugs (also sell seed mixtures)
 - Vallonia State Nursery – trees and shrubs
 - Orange County Coop –limited to few species and cover crop seed such as winter wheat

Hoosier National Forest

Native Plant Material Program

- **Future Needs/Projects –**
 - Create additional Native Seed and Pollinator Resource Areas
 - Enhancement of native seed areas by inter-seeding, plantings
 - Create storage facilities for seed and improve seed cleaning abilities
 - Increase native plant diversity for nectar sources and milkweed species availability for monarch butterflies
 - Expand interpretive programs and outreach to locally interested parties
 - Create future Stewardship projects that include reestablishment of native plant species as part of the services received
 - Seek partnerships/collaboration in obtaining appropriate local native plant material

Hoosier National Forest

Native Plant Material Program

■ Forest Accomplishments –

- Establishment of Native Seed and Pollinator Resource Areas, plus Tell City RD Native Plant and Pollinator Garden, Native Seed Nursery
- Partnership with Quail Unlimited and funding by Answer the Call grant
- Partnership with National Wild Turkey Federation for planting of native shrubs in wildlife openings
- Coordination with Forest wildlife program for creation and maintenance of native seed resource areas, including using wildlife funding sources
- Partnership with Indiana Department of Natural Resource, Fish and Wildlife – conducting mowing, tilling, seeding, shrub planting
- Multiple funding used for native seeding projects and creation of native seed resource areas that included NFN3, NFWF, and NFWV sources
- Maintenance/enhancement of Native Seed and Pollinator Resource Areas by prescribed burning – WFHF funds

Hoosier National Forest

Native Plant Material Program

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